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DERWENT-WEEK: 200202

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TITLE: Electrical rotary machine esp. generator - has stator divided into

stator segments each having cooling channel in which are arranged several HV conductors

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	
PAGES	MAIN-IPC		
AU 200133755 A	September 3, 2001	N/A	000
H02K 001/16			
WO 200163725	August 30, 2001	G	018
H02K 001/16			
A1	September 6, 2001	N/A	000
H02K 001/20			

DE 10008807 A1

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE D

K DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS

LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT

TZ UA UG US UZ VN YU ZA ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE L

S LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
AU 200133755A	N/A	2001AU-0033755
February 10, 2001		
AU 200133755A	Based on	WO 200163725
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WO	N/A	2001WO-EP01471
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INT-CL (IPC): H02K001/16; H02K001/20 ; H02K003/24 ; H02K003/40 ; H02K009/00

ABSTRACTED-PUB-NO: WO 200163725A

BASIC-ABSTRACT: An electrical rotary machine (2) has a stator (4) with stator windings which have a number of high-voltage (HV) conductors (14), many of which are arranged in a coolant channel (10). The stator (4) is divided into stator segments (12) forming a circular ring, as viewed in cross-section, and each of the stator segments (12) specifically has a coolant channel (10) in which are arranged several of the HV conductors (14).

More specifically, the coolant channel (10) is designed as a cooling gas channel.

USE - Turbogenerator e.g. for 30kV up to several 100kV for system or supply voltage of remote power supply network e.g. for 110kV.

ADVANTAGE - Provides efficient cooling for high-voltage generator.

CHOSEN-DRAWING: Dwg.1/3

DERWENT-CLASS: V06 X11

EPI-CODES: V06-M07A; V06-M08A; X11-J01A; X11-J02A; X11-J06X; X11-U01A;